Flowering Plants and Conifers

|  |  |  |
| --- | --- | --- |
| Similarities | The Same | Differences |
| Both plants are classified as Vascular plants.  Vascular plants make up about 80% of all plants.  They have special tissues in their stems to move water and nutrients up and down the plant.  This allows the plant to grow to a much larger size.  They are also characterized by their reproductive phase. | Both are categorised as a type of seed bearing plant.  They are reproduced by seeds.  Each seed contains an embryo and food supply.  They are able to produce their own food by photosynthesis.  They do not move about by their own motion. | Conifers are naked seedless vascular plants also called gymnosperms.  Gymnosperm seeds are not completely covered by the parent plant when they are formed.  Conifers have cones.  Male cones release pollen in the spring and is spread by the wind.  Some female cones release a sticky fluid that traps the blowing pollen.  The pollen over time will burrow into the female cone’s ovule to reach and fertilise the egg.  The cone will eventually fall of and in right condition grow into a conifer tree.  Conifers seeds develop on scales inside cones.  Cones are not as diverse as flowers.  Flowering plants have flowers.  Flowering plants are protected seed vascular plants.  Flowering plants also know as Angiosperms  Their seeds are protected inside a fruit.  The flower grows to attract pollinators and house the ovule with eggs inside..  It also holds the sperm that will be released as pollen. |

Links:

<http://plantspages.com/seedbearingplants.htm>

<http://www.exploringnature.org/db/detail.php?dbID=26&detID=596>

<http://biology.clc.uc.edu/courses/bio106/angio.htm>

<http://biology.clc.uc.edu/courses/bio106/gymnospr.htm>

